



## **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

| Applicant's or agent's file reference T2514 - PCT   |   | f Transmittal of International Search Report<br>20) as well as, where applicable, item 5 below. |
|---|---|---|
| International application No.   | International filing date (day/month/year)  | (Earliest) Priority Date (day/month/year)   |
| PCT/EP 03/09008   | 30/07/2003  | 30/07/2002  |
| Applicant   |   |   |
| TIGENIX N.V.  |   |   |
| This International Search Report has been according to Article 18. A copy is being tra  | n prepared by this International Searching Auth<br>Insmitted to the International Bureau.   | ority and is transmitted to the applicant   |
| This International Search Report consists  It is also accompanied by  | of a total of6sheets. a copy of each prior art document cited in this   | report.   |
|   | international search was carried out on the bas   | is of the international application in the  |
|   | as carried out on the basis of a translation of the   | ne international application furnished to this  |
| b. With regard to any <b>nucleotide an</b> was carried out on the basis of the  X contained in the internation  filed together with the internation |   | ternational application, the international search   |
|   | this Authority in computer readble form.  |   |
| X the statement that the sub  | sequently furnished written sequence listing de<br>s filed has been furnished.  | pes not go beyond the disclosure in the   |
| X the statement that the info<br>furnished  | rmation recorded in computer readable form is   | identical to the written sequence listing has been  |
| X Certain claims were four     Unity of invention is lack   | nd unsearchable (See Box I).<br>king (see Box II).  |   |
| 4. With regard to the <b>title</b> ,  | ·   |   |
| X the text is approved as su  | bmitted by the applicant.   |   |
| the text has been establis  | hed by this Authority to read as follows:   |   |
|   | bmitted by the applicant.<br>ned, according to Rule 38.2(b), by this Authorit<br>date of mailing of this international search rep |   |
| 6. The figure of the <b>drawings</b> to be publi  | •   | 3   |
| X as suggested by the appli   |   | None of the figures.  |
| because the applicant fails because this figure better  | ed to suggest a figure.<br>characterizes the invention.   |   |
| · · · · · · · · · · · · · · · · · · ·   | •   | ·   |



onal application No. PCT/EP 03/09008

| Box i     | Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)  |
|-----------|--|
| This Inte | rnational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  |
| 1. χ      | Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  Although claims 25-27, 32, 33 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition. |
| 2.        | Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:   |
|           |  |
| 3.        | Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).   |
| Box II    | Observations where unity of invention is lacking (Continuation of item 2 of first sheet)   |
| This Inte | ernational Searching Authority found multiple inventions in this international application, as follows:  |
|           | see additional sheet   |
| 1.        | As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.   |
| 2.        | As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.   |
| 3.        | As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:   |
| 4. X      | No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-27, 32-35  |
| Remark    | The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.   |

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claims 25-27, 32, 33 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-27, 32-35

Compositions, in particular pharmaceutical compositions, comprising the joint tissue derived muscle precursor / progenitor cell population; use thereof in the manufacture of pharmaceutical compositions, therapeutic uses thereof

2. claims: 28-31

Method of selecting muscle precursor cells via contacting a joint derived cell population with a binding substance for various markers of the cell population

| A. CLASSII<br>IPC 7 | FICATION OF SUBJECT MATTER C12N5/08 A61K35/12 A61P21/0  | 00  |  |  |
|---------------------|---|---|--|--|
| A                   | Library Albert I Date at Olera (Francisco (IDO) and the bath positional about files   | Ains and IDC  |  |  |
|                     | International Patent Classification (IPC) or to both national classification  | tion and IPC  |  |  |
|                     | cumentation searched (classification system followed by classification  | n symbols)  |  |  |
| IPC 7               | C12N  |   |  |  |
| Decumentat          | ion searched other than minimum documentation to the extent that su   | uch documents are included in the fields se                                   | arched                                   |  |
|                     |   |   |  |  |
| Electronic d        | ata base consulted during the international search (name of data bas  | e and, where practical, search terms used)                                    |  |  |
| EPO-In              | ternal, WPI Data, PAJ, MEDLINE, BIOS  | SIS, EMBASE, SCISEARCH,   | CHEM ABS Data                            |  |
| C. DOCUM            | ENTS CONSIDERED TO BE RELEVANT  |   |  |  |
| Category °          | Citation of document, with indication, where appropriate, of the rele   | evant passages  | Relevant to claim No.                    |  |
| Х                   | DE BARI ET AL: "Multipotent mese<br>stem cells from adult human synov<br>membrane"  | enchymal<br>vial  | 1-27,<br>32-35                           |  |
|                     | ARTHRITIS AND RHEUMATISM,<br>  vol. 44, no. 8, 2001, pages 1928-<br>  XP002266867   | -1942,  |  |  |
|                     | cited in the application  |   |  |  |
|                     | page 1929, left-hand column, para   | agraph 3 -  |  |  |
|                     | right-hand column, paragraph 2<br>page 1936, right-hand column, par   | ragraph 2   |  |  |
|                     | - page 1937, left-hand column, pa   |   |  |  |
|                     | page 1937; figure 5<br>page 1940, left-hand column, para  | agraph 5 -  |  |  |
|                     | right-hand column, paragraph 1  |   |  |  |
|                     |   | -/  |  |  |
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|                     |   |   |  |  |
| [V] 5               |   | Patent family members are listed in   | 2220                                     |  |
|                     | ner documents are listed in the continuation of box C.  | Patent family members are listed in   | n annex.                                 |  |
|                     | ecial categories of cited documents :  "T" later document published after the international filling date  |   |  |  |
|                     | document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention |   |  |  |
|                     | earlier document but published on or after the international filing date  "X" document of particular relevance; the claimed invention cannot be considered to             |   |  |  |
| which               | nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another   | involve an inventive step when the docurrent of particular relevance; the c   |  |  |
| "O" docume          | n or other special reason (as specified)<br>ant referring to an oral disclosure, use, exhibition or   | cannot be considered to involve an inv<br>document is combined with one or mo | entive step when the re other such docu- |  |
| "P" docume          | other means ments, such combination being obvious to a person skilled in the art.   |   |  |  |
|                     |   | "&" document member of the same patent  |  |  |
| Date of the a       | actual completion of the international search   | Date of mailing of the international sear                                     | cii iepuit                               |  |
| 1                   | 4 January 2004  | 1 0. 05. 2004   |  |  |
| Name and n          | nailing address of the ISA<br>European Patent Office, P.B. 5818 Patentlaan 2  | Authorized officer  |  |  |
|                     | NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,   | Citab II  |  |  |
|                     | Fax: (+31-70) 340-3016  | Sitch, W  | •  |  |

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Inter Al Application No PCT/EP 03/09008

| .(Continu  | ation) DOCUMENTS CONSIDERED TO BE RELEVANT  |                       |
|------------|---|-----------------------|
| Category ° | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|            | DE BARI C ET AL: "Human synovial membrane-derived mesenchymal stem cells for skeletal muscle repair" ONCOLOGY RESEARCH, vol. 12, no. 6-7, 2001, page 284, XP008026328 2001 Millennium International Conference of Molecular and Tumor Biology; Santorini, Greece; September 02-07, 2001 ISSN: 0965-0407 abstract 31   | 1-27,<br>32-35        |
| (          | DE BARI C ET AL: "Human mesenchymal stem cells from synovial membrane contribute to skeletal muscle repair in vivo" CLINICAL RHEUMATOLOGY, vol. 20, no. 5, 2001, page 400, XP001184115 5th Belgian Congress on Rheumatology; Hasselt, Belgium; September 27-29, 2001 ISSN: 0770-3198 abstract RA11  | 1-27,<br>32-35        |
| Ρ,Χ        | DE BARI COSIMO ET AL: "Skeletal muscle repair by adult human mesenchymal stem cells from synovial membrane." JOURNAL OF CELL BIOLOGY, vol. 160, no. 6, 17 March 2003 (2003-03-17), pages 909-918, XP002266868 ISSN: 0021-9525 page 909 abstract   | 1-27,<br>32-35        |
| P,X        | DATABASE BIOSIS [Online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; May 2003 (2003-05), VANDENABEELE F ET AL: "Morphological and immunocytochemical characterization of cultured fibroblast-like cells derived from adult human synovial membrane." XP002266869 Database accession no. PREV200300404606 abstract & ARCHIVES OF HISTOLOGY AND CYTOLOGY, vol. 66, no. 2, May 2003 (2003-05), pages 145-153, ISSN: 0914-9465 | 1-27, 32-35           |

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